

ABSTRACT OF THE DISCLOSURE

An enhanced identification tag ~~for producing~~ produces an identification (ID) signal, i.e., a radio frequency (RF) signal carrying identification information, capable of being interpreted by an electronic reader device. An identification tag in accordance with the invention is characterized by a flexible substrate, programmable encoder circuitry formed on said substrate defining identification information, an antenna, and signal generator circuitry carried by said substrate responsive to said encoder circuitry for applying a radio frequency signal bearing said identification information to said antenna. A preferred tag is fabricated using a printing process to mark a conductive pattern, e.g., comprised of a conductive ink based on silver, carbon, etc., on a flexible substrate, e.g., polytethyline, polyvinyl chloride or other plastic type material. In a typical application, the flexible substrate is then preferably used to form a wrist band that can be used to identify an individual to permit, deny or otherwise determine the level of access to an area, e.g., a concert, a work area or other restricted environment.